

## § 587.18

bottom edge of the flange. The holes are spaced at 100 mm (3.9 in), 300 mm (11.8 in), 500 mm (19.7 in), 700 mm (27.5 in), 900 mm (35.4 in) horizontally, from either edge of the barrier. All holes are drilled within  $\pm 1$  mm (0.04 in) of the nominal distances.

### § 587.18 Dimensions of fixed rigid barrier.

(a) The fixed rigid barrier has a mass of not less than  $7 \times 10^4$  kg (154,324 lb).

(b) The height of the fixed rigid barrier is at least as high as the highest point on the vehicle at the intersection of the vertical transverse plane tangent to the forwardmost point of both front tires, when the tires are parallel to the longitudinal centerline of the vehicle, and the vertical plane through the longitudinal centerline of the vehicle.

### § 587.19 Mounting.

(a) The deformable face is rigidly attached to the edge of the fixed rigid barrier or to some rigid structure attached thereto. The front of the fixed

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rigid barrier to which the deformable face is attached is flat (continuous over the height and width of the face and vertical  $\pm 1$  degree and perpendicular  $\pm 1$  degree to the axis of the run-up track). The edge of the deformable face is aligned with the edge of the fixed rigid barrier appropriate for the side of the vehicle to be tested.

(b) The deformable face is attached to the fixed rigid barrier by means of ten bolts, five in the top mounting flange and five in the bottom, such that the bottom of the bumper element honeycomb is 200 mm (7.8 in)  $\pm 15$  mm (0.6 in) from the ground. These bolts are at least 8 mm (0.3 in) in diameter. Steel clamping strips are used for both the top and bottom mounting flanges (Figure 1). These strips are 60 mm (2.4 in) high and 1000 mm (39.4 in) wide and have thickness of at least 3 mm (0.12 in). Five clearance holes of 20 mm (0.8 in) diameter are drilled in both strips to correspond with those in the mounting flange on the deformable face cladding sheet (see § 586.17(c)).

FIGURES TO SUBPART C OF PART 587